Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	01/04/2018 10:29 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123652	-2	2.07	123569	2.05
Blue	F	SSC	125000	122788	-2	3.67	123106	3.41
Blue	E	FITC	23615	22754	-4	2.96	1019	10.37
Blue	D	PE	26739	26089	-3	2.57	937	10.21
Blue	B	PerCP-Cy5-5	48339	47313	-3	3.85	1358	17.03
Blue	A	PE-Cy7	45021	44511	-2	5.42	686	36.34
Red	C	APC	53064	52154	-2	2.84	2995	9.83
Red	A	APC-Cy7	57175	56150	-2	2.84	1178	11.18
Violet	B	V450	14728	14168	-4	4.34	673	9.19
Violet	A	V500	58621	57624	-2	4.19	2549	6.79

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18828	2.91	606	-8	N/A	N/A	Pass
Blue	F	SSC	60555	1.91	548	2	N/A	N/A	Pass
Blue	E	FITC	110	39.78	544	-4	0.0207	143	Pass
Blue	D	PE	204	29.26	536	0	0.1455	201	Pass
Blue	B	PerCP-Cy5-5	212	45.04	634	-1	0.0101	92	Pass
Blue	A	PE-Cy7	73	124.00	693	0	0.0114	18	Pass
Red	C	APC	348	28.36	599	2	0.0186	30	Pass
Red	A	APC-Cy7	128	40.43	581	1	0.0055	1654	Pass
Violet	B	V450	82	41.65	461	-9	0.0455	1786	Pass
Violet	A	V500	184	22.35	489	-8	0.0134	138	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.67	-31.15	0.93
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.35
Red	16.64	14.40 - 21.60	N/A	N/A	30.93	31.49	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 14506

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments